

1292. **Ram Babu, Agarwal, M.C., Vishwanatham, M.K. and Joshie, P. 1982.** Economics and benefit-cost ratio of the *Eucalyptus* plantation for fuel purpose in denuded lands of Doon Valley. *Van Vigyan*, 20(1&2): 1-4.

A micro-watershed (area 1.5 ha) having undulating topography at Dehradun was planted with *Eucalyptus camaldulensis* and *Eucalyptus grandis* at 2m x 2m spacing in 1969. The study was primarily to know the effect of afforesting the micro-watershed on its hydrological behaviour. The plantation was clearfelled in 1978, resulting in coppice growth. This coppice plantation will be due for felling in 1983. It has been observed that the runoff, peak rate of discharge and soil loss were less in the afforested watershed compared to the undisturbed adjoining micro-watershed with brushwood. The economic analysis of this plantation work with projected cost and benefit of the existing coppice has given a favourable benefit-cost ratio, 1.68.